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**Course Code :** UI8ITI6203

**Course Title :** Web Technologies

**LAB EXERCISE 2**

**JavaScript**

**Program:**

**Index.html**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Albert Einstein</title>

<link rel="stylesheet" href="Albertstyle.css">

</head>

<body>

<header>

<h2>Albert Einstein</h2>

<div class="action">

<a href="#tribute">Tributes</a>

<a href="#contact">contact</a>

</div>

</header>

<div class="forms" >

<form id="form" action="#">

<div class="input-control">

<label for="name">Name</label>

<input id="name" name="name" type="text">

<div class="error"></div>

</div>

<div class="input-control">

<label for="email">Email</label>

<input id="email" name="email" type="text">

<div class="error"></div>

</div>

<div class="input-control">

<label for="country">Country</label>

<input id="country"name="country">

<div class="error"></div>

</div>

<div class="input-control">

<label for="feedback">Feedback</label>

<input id="feedback"name="feedback">

<div class="error"></div>

</div>

<button type="submit">Submit</button>

</form>

</div>

<script>

const form = document.getElementById('form');

const name = document.getElementById('name');

const email = document.getElementById('email');

const country = document.getElementById('country');

const feedback = document.getElementById('feedback');

form.addEventListener('submit', e => {

e.preventDefault();

validateInputs();

});

const setError = (element, message) => {

const inputControl = element.parentElement;

const errorDisplay = inputControl.querySelector('.error');

errorDisplay.innerText = message;

inputControl.classList.add('error');

inputControl.classList.remove('success')

}

const setSuccess = element => {

const inputControl = element.parentElement;

const errorDisplay = inputControl.querySelector('.error');

errorDisplay.innerText = '';

inputControl.classList.add('success');

inputControl.classList.remove('error');

};

const isValidEmail = email => {

const re = /^(([^<>()[\]\\.,;:\s@"]+(\.[^<>()[\]\\.,;:\s@"]+)\*)|(".+"))@((\[[0-9]{1,3}\.[0-9]{1,3}\.[0-9]{1,3}\.[0-9]{1,3}\])|(([a-zA-Z\-0-9]+\.)+[a-zA-Z]{2,}))$/;

return re.test(String(email).toLowerCase());

}

const validateInputs = () => {

const nameValue = name.value.trim();

const emailValue = email.value.trim();

const countryValue = country.value.trim();

const feedbackValue = feedback.value.trim();

if(nameValue === '') {

setError(name, 'name is mandatory');

} else {

setSuccess(name);

}

if(emailValue === '') {

setError(email, 'Email is required');

} else if (!isValidEmail(emailValue)) {

setError(email, 'Provide a valid email address');

} else {

setSuccess(email);

}

if(countryValue === '') {

setError(country, 'country name is required');

} else {

setSuccess(country);

}

if(feedbackValue === '') {

setError(feedback, 'feedback is necessary');

} else {

setSuccess(feedback);

}

alert("form submitted successfully")

};

</script>

</body>

</html>

**Albertstyle.css**

\* {

box-sizing: border-box;

margin: 0;

}

body{

min-width: 1000px;

}

header{

box-sizing: border-box;

width: 100%;

height: 50px;

background-color: dimgrey;

position: fixed;

top: 0;

display: flex;

justify-content: space-between;

}

header img,.action{

margin: 0;

padding: 0;

}

header h2{

margin: auto;

padding-top: 10px;

text-align: center;

color: white;

}

.action{

/\*position: absolute;

top: 0px;

right: 0px;\*/

width: 300px;

height: 50px;

}

.action a{

float: left;

height: 50px;

width: 50%;

text-decoration: none;

border: 2px solid grey;

text-align: center;

padding-top: 15px;

background-color: black;

color: rgb(206, 207, 206);

font-size: larger;

}

.action a:hover{

color: white;

}

.main {

margin-top: 60px;

align-items: center;

justify-content: center;

text-align: center;

padding: 20px;

}

#profession {

margin-top: 0;

}

#color1

{

color: blue;

font-size: 40px;

}

#color2

{

color: green;

margin-bottom: 10px;

}

.content{

width: 1000px;

margin: auto;

background-color: bisque;

padding: 20px;

}

.content li{

word-spacing: 5px;

line-height: 20px;

margin: 20px 0;

}

.indent

{

margin-left: 35px;

margin-top: 20px;

margin-bottom: 20px;

}

#color

{

font-size: 20px;

color: purple;

}

#color a{

color: blue;

text-decoration: none;

}

#color a:hover

{

text-decoration: underline;

}

.tributes{

display: flex;

flex-wrap: wrap;

justify-content: center;

align-items: center;

margin: auto;

background-color: #ccc;

}

.tributes div{

margin: 30px;

}

.tributes img{

width: 200px;

height: 200px;

}

input[type=text], select, textarea {

width: 100%;

padding: 12px;

border: 1px solid #ccc;

border-radius: 4px;

box-sizing: border-box;

margin-top: 6px;

margin-bottom: 16px;

}

button[type=submit] {

background-color: #04AA6D;

color: white;

padding: 12px 20px;

border: none;

border-radius: 4px;

cursor: pointer;

}

.forms {

border-radius: 5px;

background-color: bisque;

padding: 20px;

margin-top: 80px;

margin: auto;

width: 1000px;

}

.input-control {

display: flex;

flex-direction: column;

}

.input-control input {

border: 2px solid #f0f0f0;

border-radius: 4px;

display: block;

font-size: 12px;

padding: 10px;

width: 100%;

}

.input-control input:focus {

outline: 0;

}

.input-control.success input {

border-color: #09c372;

}

.input-control.error input {

border-color: #ff3860;

}

.input-control .error {

color: #ff3860;

font-size: 9px;

height: 13px;

}

@media screen and (max-width:590px) {

li

{

font-size: 20px;

margin: 20px 0;

}

.indent

{

font-size: 20px;

margin-top: 20px;

margin-bottom: 20px;

}

}

@media screen and (max-width:417px)

{

.content li

{

font-size: 30px;

margin: 20px 0;

line-height: 40px;

}

.indent

{

font-size: 30px;

margin-top: 20px;

margin-bottom: 20px;

}

#color

{

font-size: 30px;

}

}

**Output Screenshot:**



